AUREA UI Design System

Ingredient Search Feature

Version: 1.0
Last Updated: January 2026
Design Lead: Based on user mockups

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1. Design Overview

The Aurea UI follows a **clean, minimal aesthetic** with emphasis on:

- Clear health scoring information
- Elegant circular design for main ingredient cards
- Warm, natural color palette
- Serif typography for sophistication
- Intuitive health impact visualization

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2. Design Tokens

2.1 Color Palette

Primary Colors

> Brand Green: #2D7D5E (for positive scores, highlights)
> Warm Beige: #E8DCC8 (navigation, backgrounds)
> Cream: #F5F3F0 (page background)
> Off-White: #FFFFFF (cards, surfaces)

Score Indicator Colors

> Excellent (90-100): #10B981 (Green)
> Good (70-89): #84CC16 (Lime)
> Moderate (50-69): #F59E0B (Amber)
> Concerning (30-49): #EF9B54 (Orange)
> High Risk (0-29): #DC2626 (Red)

Text Colors

> Primary Text: #1F2937 (Dark gray)
> Secondary Text: #6B7280 (Medium gray)
> Muted Text: #9CA3AF (Light gray)

Accent Colors

Score Bar 1: #F87171 (Red)

Score Bar 2: #FB923C (Orange)

Score Bar 3: #FBBF24 (Amber)

Score Bar 4: #A3E635 (Lime)

Score Bar 5: #34D399 (Green)

UI Colors

Border: #E5E7EB (Light gray)

Hover: #F3F4F6 (Very light gray)

Success: #10B981 (Green)

Warning: #F59E0B (Amber)

Danger: #EF4444 (Red)

2.2 Typography

Font Family

Display Font: Garamond, Georgia, serif (headings, ingredient names)

Body Font: Inter, -apple-system, sans-serif (body text, labels)

Font Sizes

H1 (Hero/Main Heading): 48px, weight 700

H2 (Section Heading): 32px, weight 700

H3 (Card Heading): 24px, weight 600

Body Large: 18px, weight 400

Body Regular: 16px, weight 400

Body Small: 14px, weight 400

Caption: 12px, weight 400

Label: 13px, weight 600

Line Heights

Heading: 1.2

Body: 1.6

Compact: 1.4

2.3 Spacing System

Base Unit: 4px

Spacing Scale:

xs: 4px

sm: 8px

md: 12px

lg: 16px

xl: 24px

2xl: 32px

3xl: 40px

4xl: 48px

5xl: 64px

2.4 Border Radius

sm: 4px (small elements)

md: 8px (cards, buttons)

lg: 12px (larger sections)

xl: 16px (modal containers)

full: 9999px (pills, circles)

2.5 Shadows

sm: 0 1px 2px rgba(0, 0, 0, 0.05)

md: 0 4px 6px rgba(0, 0, 0, 0.07)

lg: 0 10px 15px rgba(0, 0, 0, 0.1)

xl: 0 20px 25px rgba(0, 0, 0, 0.1)
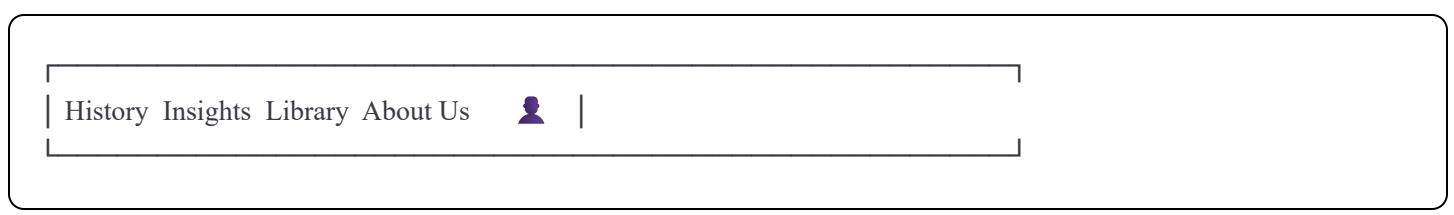
2.6 Breakpoints

Mobile: 0px - 640px

Tablet: 641px - 1024px

Desktop: 1025px+

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3. Navigation System

3.1 Top Navigation Bar

Component: Navigation

History Insights Library About Us   👤

Specifications:

- Background: #F5F3F0 (Cream)

- Height: 56px on mobile, 64px on desktop

- Padding: 12px 16px (mobile), 16px 24px (desktop)

- Display: flex, items-center, justify-between

Navigation Pills:

- Background: #E8DCC8 (Warm Beige)

- Padding: 8px 16px

- Border Radius: 9999px (full)

- Font: Body Regular, 16px, weight 500
- Text Color: ⬛ #1F2937 (Primary)
- Hover State:
  - Background: 🟫 #DCC8B8
  - Transition: 200ms ease-in-out

Active State:

- Background: 🟩 #2D7D5E (Brand Green)
- Text Color: ⬜ #FFFFFF (White)
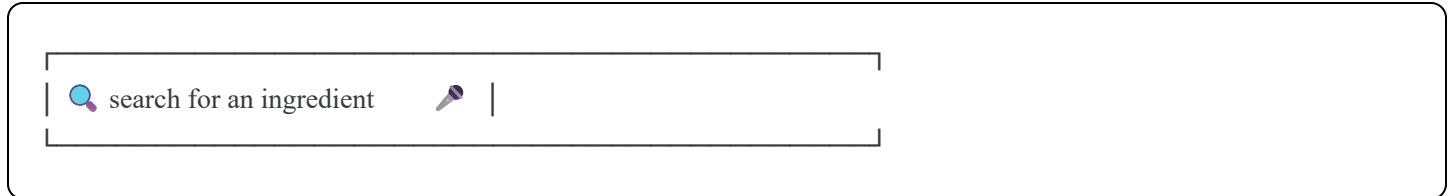
Profile Icon:

- Size: 36px × 36px
- Border: 2px solid ⬛ #1F2937
- Border Radius: 50% (circle)
- Cursor: pointer
- Hover: Border color 🟩 #2D7D5E

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4. Search Component

4.1 Search Bar

Component: SearchBar

🔍 search for an ingredient 🎤

Specifications:

- Width: 100% (mobile), max-width 600px (desktop)
- Height: 48px
- Background: ⬜ #FFFFFF (White)
- Border: 2px solid ⬜ #E5E7EB
- Border Radius: 24px (md)
- Padding: 12px 16px
- Margin: 0 16px (mobile), 0 24px (desktop)
- Font: Body Regular, 16px
- Placeholder Color: 🔘 #9CA3AF (Muted)

Focus State:

- Border Color: 🟩 #2D7D5E (Brand Green)
- Box Shadow: 0 0 0 3px rgba(45, 125, 94, 0.1)
- Transition: 200ms ease-in-out

Icons:

- Search Icon (left): ⬤ #9CA3AF, size 20px
- Microphone Icon (right): ⬤ #9CA3AF, size 20px
- Hover (microphone): ⬤ #2D7D5E, cursor: pointer

Autocomplete Dropdown:
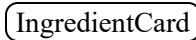
- Position: absolute, below search bar
- Background: ⬤ #FFFFFF
- Border: 1px solid ⬤ #E5E7EB
- Border Radius: 8px
- Max Height: 320px
- Overflow: scroll
- Box Shadow: 0 4px 6px rgba(0, 0, 0, 0.07)
- Z-Index: 10

Autocomplete Item:

- Height: 40px
- Padding: 8px 16px
- Font: Body Regular, 16px
- Display: flex, align-items: center
- Hover Background: ⬤ #F3F4F6
- Border Bottom: 1px solid ⬤ #F3F4F6

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5. Ingredient Card Component

5.1 Main Ingredient Card

Component: IngredientCard

```
┌─────────────────────────────────┐
│              │                    │
│  ┌───────────────────────┐ │ ♥   │
│  │              │ │                │
│  │  HEALTH RISK SCORE   │ │       │
│  │              │ │                │
│  │     85       │ │                │
│  │ ██████░░░░░░░ (colored)  │ │   │
│  │   Low Concern      │ │         │
│  │              │ │                │
│  │ Based on current evidence, │ │ │
│  │ this product shows a low  │ │  │
│  │ health impact for most   │ │   │
│  │ people.          │ │           │
│  │              │ │                │
│  │ *disclaimer text*    │ │       │
│  │              │ │                │
│  └───────────────────────┘ │     │
│              │                     │
└─────────────────────────────────┘
```

Overall Layout:

- Max Width: 600px
- Margin: 0 auto 24px auto
- Display: flex, flex-direction: column, align-items: center
- Padding: 0 16px (mobile), 0 24px (desktop)

Ingredient Title (Above Card):

- Font: Garamond, 32px, weight 700
- Color: #1F2937
- Margin Bottom: 16px
- Text Align: center

Bookmark Icon (Top Right):

- Position: absolute, top: -40px, right: 16px
- Size: 32px × 32px
- Background: #E8DCC8 (Warm Beige)
- Border: 2px solid #1F2937
- Border Radius: 4px
- Cursor: pointer
- Hover: Background #DCC8B8

Card Container:

- Width: 100%, max 500px
- Aspect Ratio: 1 / 1 (circular, use border-radius: 50%)
- Background: #F5F3F0 (Cream)
- Border: 3px solid #D4C5B0
- Border Radius: 50% (circle)
- Padding: 40px
- Display: flex, flex-direction: column, align-items: center, justify-content: center
- Box Shadow: 0 10px 15px rgba(0, 0, 0, 0.1)

Score Label:

- Font: Body Regular, 16px, weight 600
- Color: #2D7D5E (Brand Green)
- Letter Spacing: 0.05em
- Margin Bottom: 8px

Score Number:

- Font: Garamond, 72px, weight 700
- Color: #2D7D5E (Brand Green)
- Margin Bottom: 16px

Score Bar (Visual Indicator):

- Width: 80%
- Height: 8px
- Background: Linear Gradient (5 colors)

From left: #F87171, #FB923C, #FBBF24, #A3E635, #34D399

- Border Radius: 4px
- Margin Bottom: 12px
- Position: relative, indicator line at score position

Risk Level Text:

- Font: Body Regular, 18px, weight 600
- Color: #2D7D5E (Brand Green)
- Margin: 12px 0

Description Text:

- Font: Body Regular, 16px
- Color: #4B5563 (Dark gray)
- Text Align: center
- Margin: 16px 0
- Line Height: 1.6
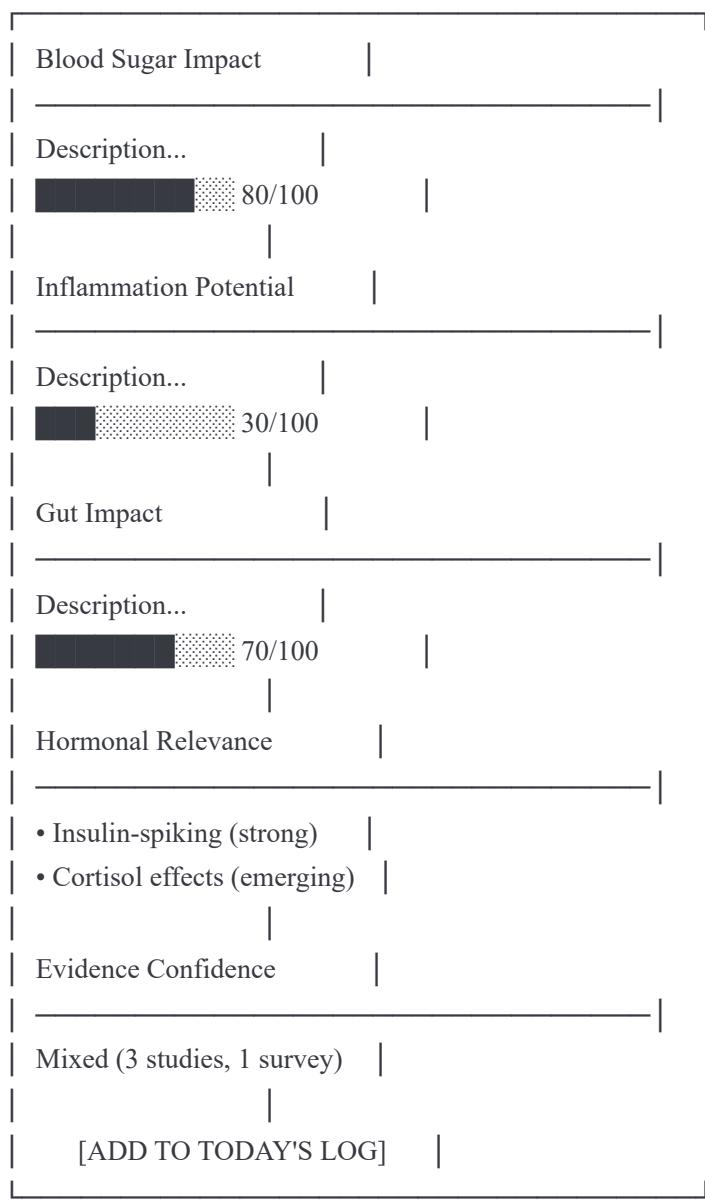
Disclaimer Text:

- Font: Caption, 12px, weight 400
- Color: #6B7280 (Secondary)
- Text Align: center
- Margin Top: 12px
- Font Style: italic

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6. Health Breakdown Section

6.1 Breakdown Container

Below the main card, displayed sequentially:

```
┌─────────────────────────────────────┐
│ Blood Sugar Impact      │
│ ───────────────────────────── │
│ Description...          │
│ ███████░░ 80/100        │
│                         │
│ Inflammation Potential  │
│ ───────────────────────────── │
│ Description...          │
│ ██░░░░ 30/100           │
│                         │
│ Gut Impact              │
│ ───────────────────────────── │
│ Description...          │
│ █████░ 70/100           │
│                         │
│ Hormonal Relevance      │
│ ───────────────────────────── │
│ • Insulin-spiking (strong)  │
│ • Cortisol effects (emerging) │
│                         │
│ Evidence Confidence     │
│ ───────────────────────────── │
│ Mixed (3 studies, 1 survey) │
│                         │
│     [ADD TO TODAY'S LOG]    │
└─────────────────────────────────────┘
```

Section Container:

- Width: 100%, max 600px
- Margin: 24px auto
- Padding: 0 16px (mobile), 0 24px (desktop)
- Display: flex, flex-direction: column, gap: 24px

Category Section:

- Background: ◯ #FFFFFF (White)
- Border: 1px solid ◯ #E5E7EB
- Border Radius: 12px
- Padding: 20px
- Box Shadow: 0 1px 2px rgba(0, 0, 0, 0.05)

Category Title:

- Font: Body Regular, 18px, weight 600
- Color: ● #1F2937
- Margin Bottom: 12px
- Padding Bottom: 12px
- Border Bottom: 2px solid ◯ #E5E7EB

Category Description:

- Font: Body Regular, 14px
- Color: ⬜ #6B7280 (Secondary)
- Margin Bottom: 12px
- Line Height: 1.6

Progress Bar (with Score):

- Display: flex, align-items: center, gap: 12px
- Margin Top: 12px

Bar Container:

- Width: 100%, flex: 1
- Height: 8px
- Background: ⬜ #E5E7EB
- Border Radius: 4px
- Overflow: hidden

Filled Bar:

- Background: Gradient based on score
  - 0-29: 🔴 #DC2626 (Red)
  - 30-49: 🟠 #EF9B54 (Orange)
  - 50-69: 🟠 #F59E0B (Amber)
  - 70-89: 🟢 #84CC16 (Lime)
  - 90-100: 🟢 #10B981 (Green)
- Height: 100%
- Border Radius: 4px
- Transition: width 300ms ease-out

Score Label:

- Font: Body Small, 14px, weight 600
- Color: ⬛ #1F2937
- Min Width: 60px
- Text Align: right

Bullet List (for Hormonal/Evidence):

- List Style: none
- Padding: 12px 0
- Line Height: 1.8

Bullet Item:

- Font: Body Regular, 14px
- Color: ⬛ #4B5563
- Margin Bottom: 8px
- Padding Left: 24px

- Position: relative

Bullet Marker:

- Position: absolute
- Left: 0
- Content: "•"
- Color: ⬛ #2D7D5E (Brand Green)

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7. Buttons & CTAs

7.1 Primary Button

Component: Button (Primary)

[ADD TO TODAY'S LOG]

Specifications:

- Background: ⬛ #2D7D5E (Brand Green)
- Color: ⬜ #FFFFFF (White)
- Padding: 12px 32px
- Font: Body Regular, 16px, weight 600
- Border: none
- Border Radius: 8px
- Cursor: pointer
- Transition: 200ms ease-in-out
- Width: 100%, max-width 300px (mobile full-width)

Hover State:

- Background: ⬛ #246047 (Darker green)
- Box Shadow: 0 10px 15px rgba(45, 125, 94, 0.2)

Active State:

- Background: ⬛ #1d4a38
- Transform: scale(0.98)

Disabled State:

- Background: ⬜ #D1D5DB (Light gray)
- Cursor: not-allowed
- Opacity: 0.6

7.2 Secondary Button

Component: Button (Secondary)

[SAVE THIS COMBINATION]

Specifications:

- Background: ⬜ #FFFFFF (White)
- Color: 🟢 #2D7D5E (Brand Green)
- Border: 2px solid 🟢 #2D7D5E
- Padding: 10px 28px
- Font: Body Regular, 16px, weight 600
- Border Radius: 8px
- Cursor: pointer
- Transition: 200ms ease-in-out

Hover State:

- Background: ⬜ #F0FDF4 (Very light green)
- Border Color: 🟢 #246047

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8. Loading States

8.1 Skeleton Screen

Before data loads:

- Show placeholder circles for main card
- Show placeholder bars for breakdown sections
- Animate with subtle pulse effect

```css
@keyframes pulse {
  0%, 100% { opacity: 1; }
  50% { opacity: 0.5; }
}
```

Duration: 1.5 seconds **Timing:** ease-in-out


8.2 Loading Spinner
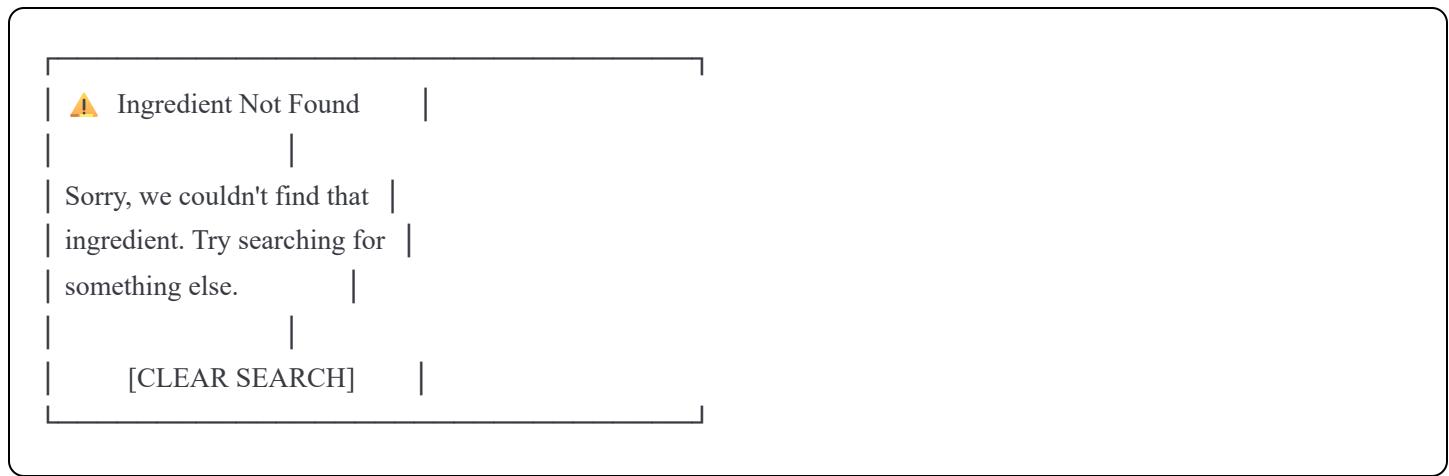
During API calls:

- Centered circular spinner
- Diameter: 40px
- Color: 🟢 #2D7D5E (Brand Green)
- Duration: 1 second
- Rotation: 360 degrees

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9. Error States

9.1 Error Card

When API fails or ingredient not found:

```
┌─────────────────────────────┐
│  ⚠️  Ingredient Not Found     │
│                     │
│  Sorry, we couldn't find that │
│  ingredient. Try searching for │
│  something else.           │
│                     │
│      [CLEAR SEARCH]     │
└─────────────────────────────┘
```

Container:

- Background: ⬜ #FEF3C7 (Light amber)
- Border: 2px solid 🟧 #F59E0B (Amber)
- Border Radius: 12px
- Padding: 20px
- Margin: 24px 16px

Icon:

- Size: 32px
- Color: 🟧 #F59E0B

Title:

- Font: Body Regular, 18px, weight 600
- Color: 🟧 #D97706 (Dark amber)
- Margin: 12px 0

Description:

- Font: Body Regular, 14px
- Color: 🟫 #92400E (Very dark amber)
- Line Height: 1.6

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10. Responsive Design

10.1 Mobile (< 640px)

Adjustments:

- Navigation: Stacked horizontally, hamburger menu on small phones
- Search bar: Full width with margins
- Ingredient card: Width 100%, maintain aspect ratio
- Buttons: Full width, increased height to 48px (touch target)

- Font sizes: Reduced by 1-2px on very small screens
- Spacing: Reduced by 4-8px

Touch Targets:

- Minimum 44px × 44px (buttons, interactive elements)
- Minimum spacing: 8px between touch targets

10.2 Tablet (640px - 1024px)

Adjustments:

- Navigation: Horizontal layout, more spacing
- Search bar: Centered, max width 500px
- Ingredient card: Max width 450px
- Padding: 24px horizontal
- Two-column layout (if showing multiple ingredients)

10.3 Desktop (> 1024px)

Full Design:

- As specified in component specifications
- Max width: 1200px container
- Navigation: Full horizontal layout
- Generous spacing and padding

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11. Component Interaction Patterns

11.1 Search Flow

1. **User types:** Search input updates, autocomplete appears
2. **User selects:** Ingredient name populated
3. **API call:** Loading spinner shows
4. **Data loads:** Ingredient card animates in
5. **Breakdown visible:** Sections fade in sequentially

Animation Timings:

- Card entry: 300ms ease-out
- Section fade-in: 200ms ease-in, staggered 100ms apart

11.2 Save/Bookmark Flow

1. **User clicks bookmark:** Icon fills with color
2. **API call:** Saving spinner in icon

3. **Success:** Toast notification appears

4. **Icon state:** Persists as filled

Toast Notification:

- Position: bottom-right
- Background: ⬤ #10B981 (Success green)
- Color: ◯ #FFFFFF (White)
- Font: Body Regular, 14px
- Padding: 12px 16px
- Border Radius: 8px
- Auto-dismiss: 3 seconds

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12. Accessibility

12.1 Color Contrast

All text colors meet WCAG AA standards:

- Primary text on white: 9:1 ratio ✓
- Secondary text on white: 5.5:1 ratio ✓
- Buttons: 7:1 ratio ✓

12.2 Keyboard Navigation

- Tab order: Top navigation → Search → Results
- Focus indicators: 2px solid outline ⬤ #2D7D5E
- Escape key: Close autocomplete/dialogs

12.3 Screen Reader Support

- All icons have `aria-label`
- Headings properly hierarchical (`<h1>`, `<h2>`, `<h3>`)
- Form labels associated with inputs
- Button purposes clearly labeled

12.4 ARIA Labels

html

```html
<!-- Search icon -->
<svg aria-label="Search">...</svg>

<!-- Bookmark button -->
<button aria-label="Save ingredient">...</button>

<!-- Score bar -->
<div role="progressbar" aria-valuenow="85"
    aria-valuemin="0" aria-valuemax="100">...</div>
```

13. Animation Library

13.1 Transitions

```css
/* Standard transition */
--transition: 200ms cubic-bezier(0.4, 0, 0.2, 1);

/* Quick transition */
--transition-quick: 100ms cubic-bezier(0.4, 0, 0.2, 1);

/* Slow transition (entrance) */
--transition-slow: 300ms cubic-bezier(0.34, 1.56, 0.64, 1);
```

13.2 Common Animations

Fade In:

```css
@keyframes fadeIn {
  from { opacity: 0; }
  to { opacity: 1; }
}
animation: fadeIn 300ms ease-out;
```

Slide Up:

```css
@keyframes slideUp {
  from { transform: translateY(20px); opacity: 0; }
  to { transform: translateY(0); opacity: 1; }
}
animation: slideUp 300ms cubic-bezier(0.34, 1.56, 0.64, 1);
```

Scale In:

```css
```

```css
@keyframes scaleIn {
  from { transform: scale(0.95); opacity: 0; }
  to { transform: scale(1); opacity: 1; }
}
animation: scaleIn 200ms ease-out;
```

---

14. Component File Structure

```
frontend/src/
├── components/
│   ├── IngredientSearch/
│   │   ├── IngredientSearch.jsx
│   │   ├── IngredientCard.jsx
│   │   ├── SearchBar.jsx
│   │   ├── HealthBreakdown.jsx
│   │   ├── ScoreBar.jsx
│   │   └── styles/
│   │       ├── IngredientSearch.module.css
│   │       ├── IngredientCard.module.css
│   │       └── shared.css
│   ├── Navigation/
│   │   ├── Navigation.jsx
│   │   └── Navigation.module.css
│   └── common/
│       ├── Button.jsx
│       ├── LoadingSpinner.jsx
│       ├── ErrorCard.jsx
│       └── Toast.jsx
├── styles/
│   ├── tokens.css (design tokens)
│   ├── globals.css (global styles)
│   └── animations.css (keyframe animations)
└── hooks/
    ├── useIngredientSearch.js
    └── useToast.js
```

---

15. Design Specifications for Claude Code

What Claude Code Should Build:

Components:

1. ✓ [SearchBar] - with autocomplete

2. ✓ [IngredientCard] - circular main card

3. ✓ [HealthBreakdown] - 5 category sections

4. ✓ [ScoreBar] - visual progress indicator

5. ✓ [Navigation] - top nav with pills

6. ✓ [Button] - primary/secondary styles

7. ✓ [LoadingSpinner] - during API calls

8. ✓ [ErrorCard] - error state handling

9. ✓ (Toast) - notification system

Styling:

☐ Design tokens CSS file
☐ Global styles (resets, base elements)
☐ Component CSS modules
☐ Responsive breakpoints
☐ Animations and transitions

Layouts:

☐ Search page layout
☐ Results page layout
☐ Mobile responsive design

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16. Design Handoff Notes

For Frontend Developers:

1. **Start with design tokens CSS** - All colors, fonts, spacing defined

2. **Build components bottom-up** - Button → Card → Page

3. **Test responsiveness early** - Mobile first, then tablet, then desktop

4. **Use CSS modules** - Keep styles scoped to components

5. **Follow shadow system** - Use predefined shadow classes

6. **Implement animations** - Use CSS keyframes, avoid over-animation

7. **Test accessibility** - Check keyboard nav, color contrast, screen readers

Color Reference

Use this for quick lookups:

Element	Color	Hex
Brand Primary	Green	⬤ #2D7D5E
Navigation	Beige	⬤ #E8DCC8
Background	Cream	⬤ #F5F3F0
Text Primary	Dark Gray	⬤ #1F2937
Score Excellent	Green	⬤ #10B981
Score Good	Lime	⬤ #84CC16
Score Moderate	Amber	⬤ #F59E0B
Score Concerning	Orange	⬤ #EF9B54
Score High Risk	Red	⬤ #DC2626

17. Future Enhancement Ideas

☐ Dark mode variant

☐ Ingredient comparison view (side-by-side)

☐ Save ingredients list

☐ Share ingredient to social media

☐ Voice search functionality

☐ Ingredient categories/tags

☐ Historical ingredient searches

☐ Personalized recommendations

☐ Ingredient substitutes

Design System Maintained By: Design Team
Last Review: January 2026
Next Review: Quarterly or after major changes